

Chapter 90

Report on the Global Environment

Competitiveness of Mali

Mali is located in West Africa. It covers 1,220,190 square kilometres and borders Algeria to the north, Niger to the east, Burkina Faso and to the south, Guinea to the south-west, and Senegal and Mauritania to the west. Mali’s climate ranges from tropical in the south to arid in the north. Most of the country receives negligible rainfall and droughts are frequent. It had a population of 15.8 million and domestic production the gross (GDP) of USD 10.5 billion in 2011. Through the evaluation of global environment competitiveness, we can know that the environment competitiveness index of Mali ranks at 130 among 133 countries.

Score:
38.93
Rank:
130

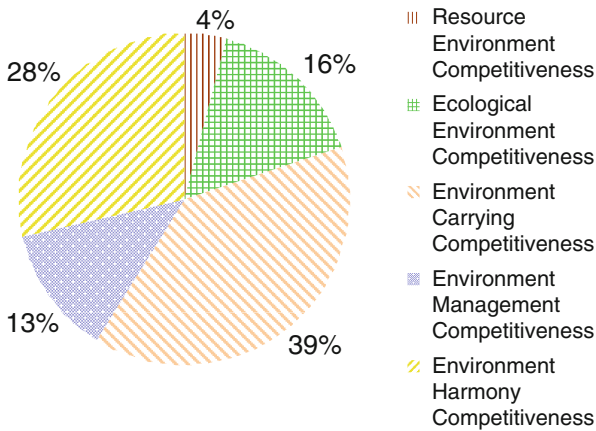


Fig. 90.1 Contribution of sub-index of GEC

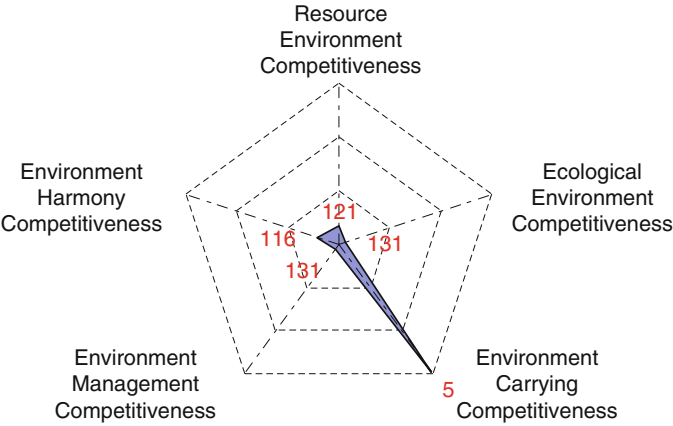


Fig. 90.2 Rank of sub-index of GEC

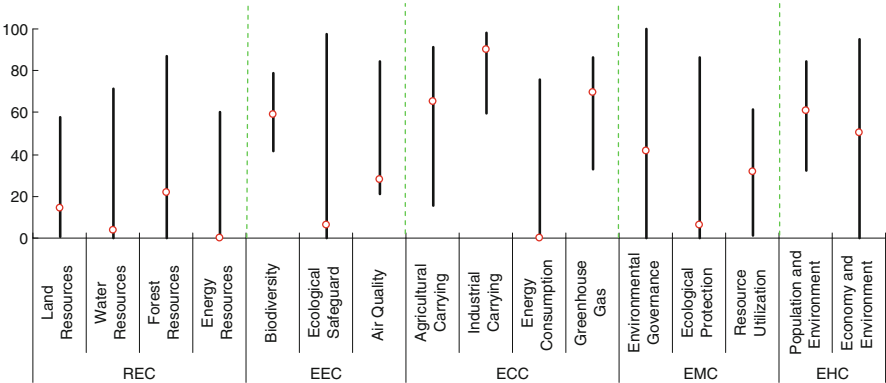


Fig. 90.3 Score and rank of the pillars of GEC

Table 90.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	8.36	121	1.3 Forest Resources	21.63	88
1.1 Land Resources	14.44	55	Growing stock in forest and other wooded land	50.75	79
Land area per capita	13.86	16	Proportion of land area covered by forest	11.91	98
Percentage of arable land to total land area	9.39	102	Forest area per capita	5.46	31
Arable land per capita	20.28	21	1.4 Energy Resources	0.00	125
1.2 Water Resources	3.83	112	Fossil energy	0.00	64
Surface water	0.80	102	Energy production	N/A	N/A
Annual precipitation	9.72	110	Proportion of combustible renewables and waste to total energy consumption	N/A	N/A
Groundwater	2.32	101			
Total internal renewable water resources	2.48	106			

(continued)

Table 90.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Net energy imports of the energy consumption	N/A	N/A	Ratio of clean energy consumption	0.00	116
2 Ecological Environment Competitiveness	30.68	131	Elasticity of energy consumption	N/A	N/A
2.1 Biodiversity	58.93	34	Elasticity of electric power consumption	N/A	N/A
Threatened fish species	98.58	9	3.4 Greenhouse Gas	69.45	23
Threatened mammal species	93.48	72	Growth rate of CO ₂ emissions	54.18	55
Threatened plant species	99.59	54	Growth rate of Methane emissions	N/A	N/A
GEF benefits index for biodiversity	1.50	75	CO ₂ emissions per unit of land area	100.00	1
2.2 Ecological Safeguard	6.25	109	CO ₂ emissions per unit of energy consumption	N/A	N/A
Terrestrial protected areas	6.25	111	4 Environment Management Competitiveness	24.49	131
Marine protected areas	N/A	N/A	4.1 Environmental Governance	41.40	127
2.3 Air Quality	27.82	130	Agricultural chemicals regulation	0.00	86
Inhalable particles (PM10)	18.98	130	Percentage of the rural population with access to an improved water source	51.00	107
Particulate matter (PM2.5)	67.95	113	Percentage of the urban population with access to an improved water source	87.00	114
Index of indoor air pollution	0.30	126	4.2 Ecological Protection	6.52	126
Nitrogen oxides emission	68.97	4	Area of plantation and afforestation	0.69	47
Sulfur dioxide emission	N/A	N/A	Biome protect	14.30	110
3 Environment Carrying Competitiveness	75.67	5	Overfishing of fishing resources	N/A	N/A
3.1 Agricultural Carrying	65.14	80	4.3 Resource Utilization	31.54	87
Cereal yield per unit of arable land	14.02	101	Utilization rate of water resources	0.26	69
Fertilizer consumption per unit of arable land	99.75	12	Percentage of total internal renewable water resources to total water resources	54.55	82
Annual freshwater withdrawals for agriculture per unit of arable land	98.69	67	Percentage of agricultural land to total land area	39.81	91
3.2 Industrial Carrying	90.36	80	Percentage of fossil fuel energy consumption to total energy consumption	N/A	N/A
Net exports as a percentage of GDP	84.19	51			
Electric power consumption per unit of value added of industry	N/A	N/A			
SO ₂ emissions per unit of value added of industry	N/A	N/A			
Annual freshwater withdrawals for industry per value added of industry	96.53	78			
3.3 Energy Consumption	N/A	N/A			
Energy consumption per unit of land area	N/A	N/A			

(continued)

Table 90.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
5 Environment Harmony Competitiveness	55.42	116	CO ₂ emissions (metric tons per capita)	100.00	1
5.1 Population and Environment	60.84	115	Energy consumption per capita	N/A	N/A
Improved sanitation facilities (% of population with access)	36.00	106	5.2 Economy and Environment	50.00	112
Motor vehicles (per 1,000 people)	98.52	16	Land resource utilization efficiency	0.00	130
Renewable internal freshwater resources per capita	4.58	57	Sulfur dioxide emissions per unit of GDP	N/A	N/A
SO ₂ emissions (metric tons per capita)	N/A	N/A	Carbon dioxide emissions per unit of GDP	100.00	1
			Energy consumption per unit of GDP	N/A	N/A

Table 90.2 Rank distribution of the individual indicators of GEC

Sub-index	Number of the individual indicators	Rank 1–10	Rank 11–30	Rank 31–60	Rank 61–100	Rank 101–133
Resource Environment Competitiveness	14	0	1	1	4	6
Ecological Environment Competitiveness	11	2	0	2	1	6
Environment Carrying Competitiveness	15	1	2	2	2	2
Environment Management Competitiveness	10	0	0	1	5	4
Environment Harmony Competitiveness	10	2	1	1	0	4
Total	60	5	4	7	12	22

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